

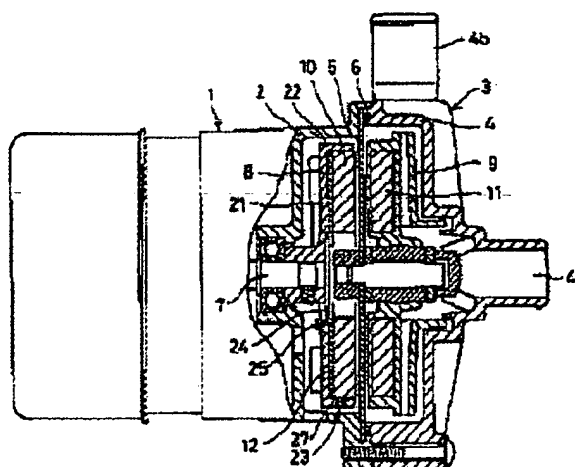
PUMP MAGNET COUPLING

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Classification:
- international: F04D13/02; F16H49/00; H02K49/12
- european:
Application number: JP19970251872 19970917
Priority number(s):

Abstract of JP11093883

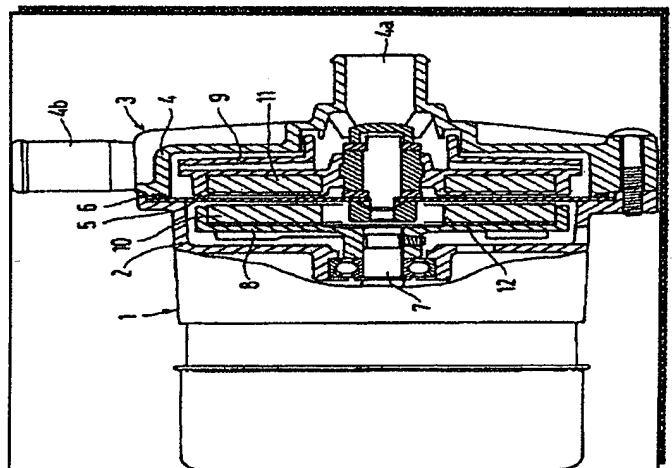
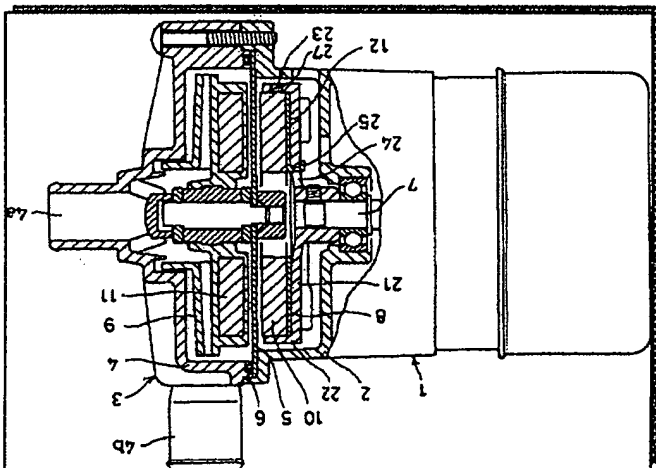
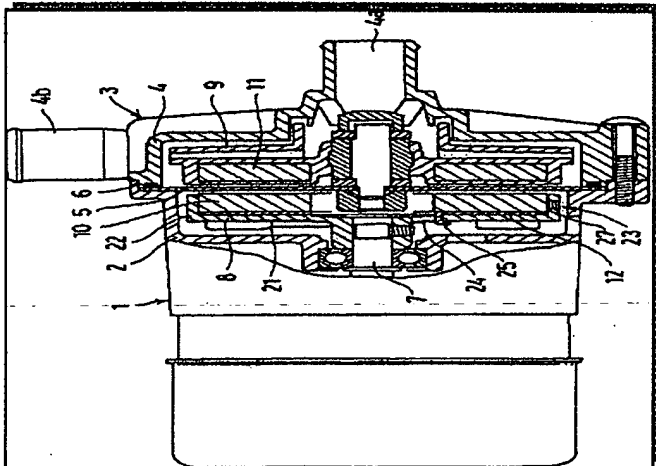
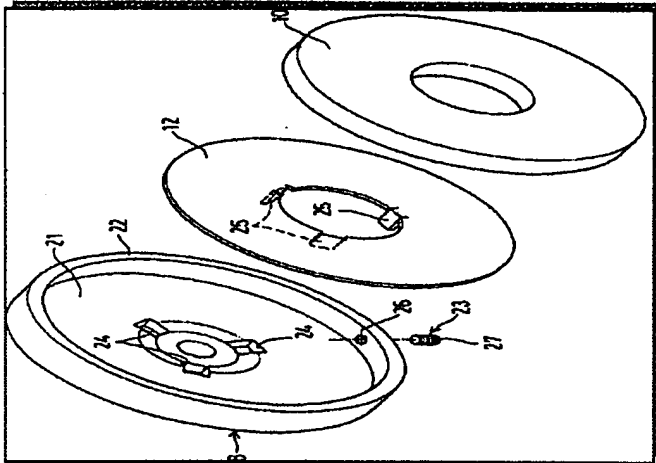
PROBLEM TO BE SOLVED: To provide a pump magnet coupling preventing the release of a magnet from a coupling main body and capable of maintaining a coupling function.

SOLUTION: A motor side magnet 10 and a pump side magnet 11 are faced to each other across a partition plate 5 in this pump magnet coupling, and the rotation of a motor 1 is transmitted to a pump 3 via the binding power of both magnets 10, 11. A coupling main body 8 fixed to a rotary shaft 7 is provided with a peripheral wall 22 on the outer periphery of a disk section 21, and an auxiliary yoke 12 stored overlappingly with the disk section 21 in the coupling main body 8 is mechanically fixed to the coupling main body 8 by a through-hole 24 provided on the coupling main body 8 and a hook piece 25 provided on the auxiliary yoke 12 to be locked on the through-hole 24. The magnet 10 assembled in the coupling main body 8 is fixed to the auxiliary yoke 12 by magnetic force, the fastening means 23 of the magnet 10 is provided on the peripheral wall 22 of the coupling main body 8, and the magnet 10 is surely fixed to the coupling main body 8 to prevent its release.



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